

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3765	(166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/26 15:06
L2	752	1 and ((pressure and (ball object)) near4 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
L3	448	2 and packer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
L4	118	3 and isolation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
S1	2	("6722440").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/16 16:01
S2	2	("6397949").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/17 12:07
S3	2	("5456322" "6227298").PN.	USPAT	OR	ON	2004/06/17 12:08
S4	340	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and isolation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
S5	135	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
S6	112	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and packer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06

S7	26	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and packer) and screen	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/17 12:17
S8	28	("2798561"   "2951536"   "2963089"   "3412806"   "3640341"   "3912008"   "4043392"   "4143712"   "4215746"   "4280561"   "4354554"   "4356867"   "4417600"   "4420045"   "4589482"   "4624310"   "4627492"   "4979569"   "5058673"   "5090481"   "5257663"   "5263683"   "5337827"   "5518073"   "5664629"   "5810087"   "5941308"   "6227298").PN.	USPAT	OR	ON	2004/06/17 12:11
S9	124	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and ((open\$3 and close\$4) near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/17 12:18
S10	11	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and ((open\$3 and close\$4) near5 valve)) and (lock\$4 near3 close\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/17 12:19
S11	2	("20010030049").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/17 13:58
S12	10	("3749119"   "3823773"   "3845815"   "3970147"   "3993130"   "4383578"   "4749044"   "4967845"   "5609204"   "5676208").PN.	USPAT	OR	ON	2004/06/17 14:12
S13	1	"6397949".URPN.	USPAT	OR	ON	2004/06/17 14:15
S14	20	("3749119"   "3823773"   "3845815"   "3970147"   "3993130"   "4383578"   "4388968"   "4420043"   "4749044"   "4940093"   "4967845"   "5137088"   "5180007"   "5180016"   "5226494"   "5413180"   "5609204"   "5676208"   "6220357"   "6446729"   "2001/0013415"   "2001/0030049").PN.	USPAT	OR	ON	2004/06/17 14:15

S15	6	((("6220357") or ("6227298") or ("5456322")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:28
S16	2844	(166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 14:07
S17	1085	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:07
S18	972	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)) and ((sleeve seat) near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:08
S19	135	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)) and ((sleeve seat) near5 valve)) and ((ball object) near5 releas\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:09
S20	41	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)) and ((sleeve seat) near5 valve)) and ((ball object) near5 releas\$4)) and (((ball object) near5 releas\$4) with (service tool apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:24
S21	965	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball valve) near5 seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:20
S22	967	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball valve object dart) near5 seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:21
S23	166	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball valve object dart) near5 seat)) and ((ball object dart) near5 releas\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:21

S24	38	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and ((ball valve object dart) near5 seat)) and ((ball object dart) near5 releas\$4)) and (((ball dart object) near5 releas\$4) near5 (service tool apparatus)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:25
S25	2	("1518865"   "4491177").PN.	USPAT	OR	ON	2004/06/22 14:29
S26	34	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and ((ball seat) near4 valve)) and (screen near5 valve)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S27	64	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and (screen near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:35
S28	8	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and (screen near5 valve)) and (wrap\$4 near3 screen)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S29	4194	(screen near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S30	51	((screen near5 valve)) and (wrap\$4 near3 screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S31	44	(( (screen near5 valve)) and (wrap\$4 near3 screen)) and (wellbore borehole downhole (well adj bore))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S32	6	"3741300".URPN.	USPAT	OR	ON	2004/06/22 14:44
S33	18	("6125930" "6662877" "6516886" "5909769" "4498536" "5775421" "6352119" "5950733" "5810087" "4605062" "4452313" "4399870" "4319634" "4280561" "4144937" "3856085" "3741249" "3051243").PN.	USPAT	OR	ON	2005/02/23 09:17
S34	18	("3627049" "4040488" "4113012" "4143712" "4189003" "4403659" "4903775" "4915175" "5010955" "5295538" "5373899" "5377750" "5597042" "5609178" "5730223" "5826662" "5890540" "5901796").PN.	US-PGPUB; USPAT	OR	ON	2005/07/11 09:18

S35	39	("20020094303" "20020189814" "3741249" "3763933" "3786866" "3814181" "3814183" "3856085" "3882935" "4144937" "4280561" "4319634" "4388968" "4399870" "4415038" "4429747" "4452313" "4498536" "4560005" "4605062" "4928772" "5183115" "5240071" "5287930" "5775421" "5810087" "5865251" "5909769" "5950733" "6125930" "6148915" "6148919" "6230808" "6352119" "6386289" "6520257" "6659186" "6662877" "6763892").PN.	US-PGPUB; USPAT	OR	ON	2005/07/11 09:18
S36	57	S34 or S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 09:18